

Your grade: 100%

Your latest: 100% • Your highest: 100% • To pass you need at least 80%. We keep your highest score.

Next item →

1. The next two questions use the vectors **x** and **y** defined below.

1 / 1 point

```
1 x = [229 51 222; 21 33 15; 179 41 219];
2 y = [167 162 17; 202 29 38; 47 51 31];
```

What is the result of **x - y** if the variables are type **uint8**?

- ☒ [62 0 205; 0 4 0; 132 0 188]
- ☐ [62 111 205; 181 4 23; 132 10 188]
- ☐ [62 -111 205; -181 4 -23; 132 -10 188]
- ☐ This operation results in an error

Correct

Negative numbers aren't permitted in data type **uint8** and become 0.

2. What is the result of **x - y** if the variables are type **double**?

1 / 1 point

- ☐ [62 0 205; 0 4 0; 132 0 188]
- ☐ [62 111 205; 181 4 23; 132 10 188]
- ☒ [62 -111 205; -181 4 -23; 132 -10 188]
- ☐ This operation results in an error

Correct

Images of type **double** are permitted to be negative.

3. Consider the 227x227 resolution concrete crack image, **img**:

1 / 1 point



What will the result of **imresize(img, [114 681])** be?

☐



☐



☒



☐





Correct

The resized image has fewer rows and far more columns.